

CLAIMS

What is claimed is:

1. A mobile communication device, comprising:
 - 2 a signal sender;
 - a signal receiver; and
 - 4 a memory, including a static table, in communication with said signal sender and said signal receiver, wherein said memory matches a location directly to at
 - 6 least one preferred system according to the static table.
2. The mobile communication device of claim 1, further comprising a
2 location converter.
3. The mobile communication device of claim 1, wherein said signal
2 sender and said signal receiver comprise a mobile telephone sender and a mobile telephone receiver.
4. The mobile communication device of claim 1, wherein said memory
2 comprises at least one digital storage device.

5. The mobile communication device of claim 1, further comprising a
2 processor in communication with said signal sender, said signal receiver, and said
memory.
6. The mobile communication device of claim 1, wherein the static table
2 comprises at least one roaming list and at least one lookup table.
7. The mobile communication device of claim 6, wherein, upon accessing
2 of a base station by said signal sender, the at least one lookup table matches a known
geographic position of the device with respect to the base station with an SID index in
4 the roaming table.
8. The mobile communication device of claim 7, wherein, upon matching
2 of the geographic position with an SID index, the mobile communication device tunes
to a preferred channel of the matched SID index.
9. The mobile communication device of claim 8, wherein the device
2 tunes to a preferred channel by a searching of at least two preferred channel
sequenced by a preference until a preferred channel is connected to by the mobile
4 communication device.

10. The mobile communication device of claim 1, further comprising a
2 locator.
11. The mobile communication device of claim 10, wherein said locator
2 utilizes GPS.. to locate the mobile communication device
12. The mobile communication device of claim 10, wherein said locator
2 utilizes triangulation to locate the mobile communication device.
13. The mobile communication device of claim 10, further comprising a
2 location converter, wherein said location converter converts a location generated by
said locator into a geographic region in the static table.
14. The mobile communication device of claim 13, wherein said location
2 converter comprises a software program resident in said memory.
15. A mobile communication system, comprising:
2 at least one base station; and
at least one mobile communication device, comprising:
4 a signal sender that send signals to said at least one base
station;

6 a signal receiver that receives signals from said at least one
base
8 station; and
a memory, including a static table, wherein said memory
10 matches a
location of said at least one mobile communication device directly to at
12 least
one preferred system.

16. The mobile communication system of claim 15, wherein said mobile
2 communication device further comprises a location converter.

17. The mobile communication system of claim 15, wherein said mobile
2 communication device further comprises a processor.

18. The mobile communication system of claim 15, wherein said static
2 table comprises at least one roaming list and at least one lookup table.

19. The mobile communication system of claim 18, wherein, upon
2 accessing of at least one of said at least one base station by said mobile
communication device, the at least one lookup table matches a known geographic

- 4 position of said mobile communication device with respect to at least one of said at
least one base station with an SID index in the roaminglist.

- ✓ 20. The mobile communication system of claim 15, further comprising at
2 least one locator.

21. The mobile communication system of claim 20, wherein said locator
2 utilizes GPS to locate said mobile communication device.

22. The mobile communication system of claim 15, comprising at least
2 three base stations, wherein said locator utilizes triangulation to locate said mobile
communication device.

23. The mobile communication system of claim 20, wherein said device
2 further comprises said locator, and wherein said locator locates said mobile
communication device.

24. The mobile communication system of claim 23, wherein said locator
2 utilizes GPS.to locate said mobile communication device.

25. The mobile communication system of claim 20, further comprising a
2 location converter, wherein said location converter converts a location generated said
mobile communication device by said locator into a geographic region in the static
4 table.

26. A method of connecting a mobile communication device to a preferred
2 communication system, comprising:

locating the mobile communication device using a location function
4 within the mobile communication device;
converting the location generated by said locating to a position range;
6 matching the position range to at least one preferred SID index for the
position range using a lookup table;
8 selecting a preferred SID system from a roaming list, wherein the
preferred SID system is correspondent to the at least one preferred SID index; and
10 connecting the mobile communication device to a channel
correspondent to the preferred SID system identified by the at least one preferred SID
12 index.

27. The method of claim 26, wherein at least two preferred SID indexes
2 match the position range, further comprising sequentially searching, according to an

order of preference, at least two channels correspondent to the at least two preferred

4 SID indexes before said selecting.

28. A mobile communication device, comprising:

2 a signal sender;

a signal receiver; and

4 a processor, including a memory, communicatively connected to said

signal sender and said signal receiver, which processor includes thereon computer

6 software that performs the steps of:

converting a location of the mobile communication device to a

8 position range;

matching the position range to at least one preferred SID index

10 for the position range using a lookup table, wherein the lookup table is stored in the
memory;

12 selecting a preferred SID from a roaming list, wherein the
preferred SID is correspondent to the at least one preferred SID index, wherein the

14 roaming list is stored in the memory; and

connecting the mobile device to a channel correspondent to a

16 preferred system indicated by the preferred SID.

29. The mobile communication device of claim 28, wherein the lookup
2 table comprises a plurality of position ranges, and a plurality of SID indexes, and
wherein at least one SID index is matched to each position range.

30. The mobile communication device of claim 29, wherein the roaming
2 list comprises a plurality of available systems listed according to at least one system
characteristic of each system, which system characteristic includes at least a
4 preferential status of each system, wherein each system is keyed to a SID.

31. A system for connecting a mobile communication device to a preferred
2 communication system, comprising:

- 4 means for locating the mobile communication device;
- 4 means for converting the location generated by said locating to a
position range;
- 6 means for matching the position range to at least one preferred SID
index for the position range;
- 8 means for selecting the preferred SID, wherein the preferred SID is
correspondent to the at least one preferred SID index; and
- 10 means for connecting the mobile communication device to a channel
correspondent to a preferred system indicated by the preferred SID.